

DEPARTMENT OF ECOLOGY  
INSPECTION REPORT

TO: Files, Dan Cargill  
DATE OF VISIT: 10/21/87  
NEW INDUSTRY:

INSPECTOR: Richard Koch  
PERMIT NO: WA-000000-0  
PERMIT EXPIRES:

## TYPE OF INSPECTION

PERMIT APPLICATION	<u>      </u>	PERMIT RENEWAL	<u>      </u>	PERMIT COMPLIANCE	<u>      </u>
COMPLAINT	<u>  X  </u>	ENFORCEMENT	<u>      </u>	DROP IN	<u>      </u>

FACILITY: Duwamish Shipyard, Inc.  
ADDRESS: 5658 W. Marginal Way S.W.                      MAP: 26 QUAD: A3  
CITY: Seattle    ZIP 98106    COUNTY: King    PH. NO. 206-767-4880

PERSON CONTACTED: Don Meberg, Dave Larson  
TYPE OF FACILITY: Shipyard  
RECEIVING WATER: Duwamish River  
TYPE OF TREATMENT SYSTEM: BMPs

OPERATION: Satis        Fair        Unsat   X   ;  
Complies with permit conditions no

DESCRIPTION: I arrived at 1200 hours, the end of the lunch break. No sandblasting was in progress but resumed shortly thereafter. Tarps were hung over the ends of the drydock with a vessel already sandblasted and being painted green. A vessel was also on the marine railway for sandblasting. No provisions had been made to contain sandblast grits.

The grit distribution seemed to be north-south. Grit was 20 to 30 feet either side of the vessel and about 100 feet north of the vessel into the river.

The vessel on the way had a red bottom and blue sides above the water line. The grit in the water and on the dock area was predominately bluish. Some reddish grit was in the water. The grit and paint detritus in the water and on the river sediments was from the vessel on the way. Photographs and sample were taken. A soil sample was taken of the grit covered sediments at the end of the way. Two samples of the grit/paint scum were taken, one for total priority pollutant metals and one for total recoverable priority pollutant metals.

I asked Don Meberg why there was no containment for sandblasting grit for vessels on the marine railway. Don asked for suggestions on what I thought should or could be done. I suggested some system of tarpaulins be used to contain the grits. A tarpaulin at the end of the vessel appeared essential. A tarpaulin between the vessel and the waterway looked probable.



7-DEC-87  
1:29:30

EPA Region X Lab Management System  
Sample/Project Analysis Results

Project: DOE-283I

DUWAMISH SHIPYARD

Sample No: 87 447869      Begin Sample Date: 87/10/21      :      Source: Sediment

Laboratory: WE      Description: 1210

Metals - EP Toxicity		EPT-Sld	
Parameter		Result	Units
Arsenic	As-Total	20	ug/l
Barium	Ba-Total	260	ug/l
Cadmium	Cd-Total	3.4	ug/l
Chromium	Cr-Total	5U	ug/l
Lead	Pb-Total	310	ug/l
Silver	Ag-Total	0.3	ug/l
Selenium	Se-Total	1U	ug/l
Mercury	Hg-Total	0.05	ug/l

RECEIVED  
DEC 8 1987  
DEPT OF ECOLOGY  
REGION 1

(Sample Complete)

7-DEC-87  
11:29:30

EPA Region X Lab Management System  
Sample/Project Analysis Results

Project: DOE-283I

DUWAMISH SHIPYARD

Sample No: 87 447867      Begin Sample Date: 87/10/21      :      Source: Water (Ge

Laboratory: WE

Description: 1200

Metals - PP		Water-Total	
Parameter		Result	Units
Arsenic	As-Total	17	ug/l
Beryllium	Be-Total	0.2U	ug/l
Cadmium	Cd-Total	0.5	ug/l
Chromium	Cr-Total	18	ug/l
Copper	Cu-Total	20300	ug/l
Lead	Pb-Total	38	ug/l
Thallium	Tl-Total	1U	ug/l
Nickel	Ni-Total	10	ug/l
Silver	Ag-Total	6.8	ug/l
Zinc	Zn-Total	5240	ug/l
Antimony	Sb-Total	1U	ug/l
Selenium	Se-Total	28	ug/l
Mercury	Hg-Total	0.05	ug/l

RECEIVED  
DEC 28 1987

DEPARTMENT OF ECOLOGY  
NORTHWEST REGION

(Sample Complete)

7-DEC-87  
11:29:30

EPA Region X Lab Management System  
Sample/Project Analysis Results

Project: DOE-283I

DUWAMISH SHIPYARD

Sample No: 87 447868      Begin Sample Date: 87/10/21      :      Source: Water (Ge  
Laboratory: WE      Description: 1205

Metals - PP		Water-Total	
Parameter		Result	Units
Arsenic	As-Total	8	ug/l
Beryllium	Be-Total	0.2U	ug/l
Cadmium	Cd-Total	0.3	ug/l
Chromium	Cr-Total	22	ug/l
Copper	Cu-Total	25500	ug/l
Lead	Pb-Total	44	ug/l
Thallium	Tl-Total	1U	ug/l
Nickel	Ni-Total	14	ug/l
Silver	Ag-Total	3.5	ug/l
Zinc	Zn-Total	4340	ug/l
Antimony	Sb-Total	1U	ug/l
Selenium	Se-Total	37	ug/l
Mercury	Hg-Total	0.05	ug/l

(Sample Complete)

PHOTO No 3

DATE: OCT. 21, 1987

TIME: 12:00

TAKEN BY:  
RICHARD KOCH

WITNESS:

FILM: KODAK CM 400

CAMERA:

CANON SURE SHOT

LOCATION:  
DUWAMISH SHIPYARD  
MARINE RAILWAY

DESCRIPTION: Spent  
Sand blasting grit  
on dock east of marine railway

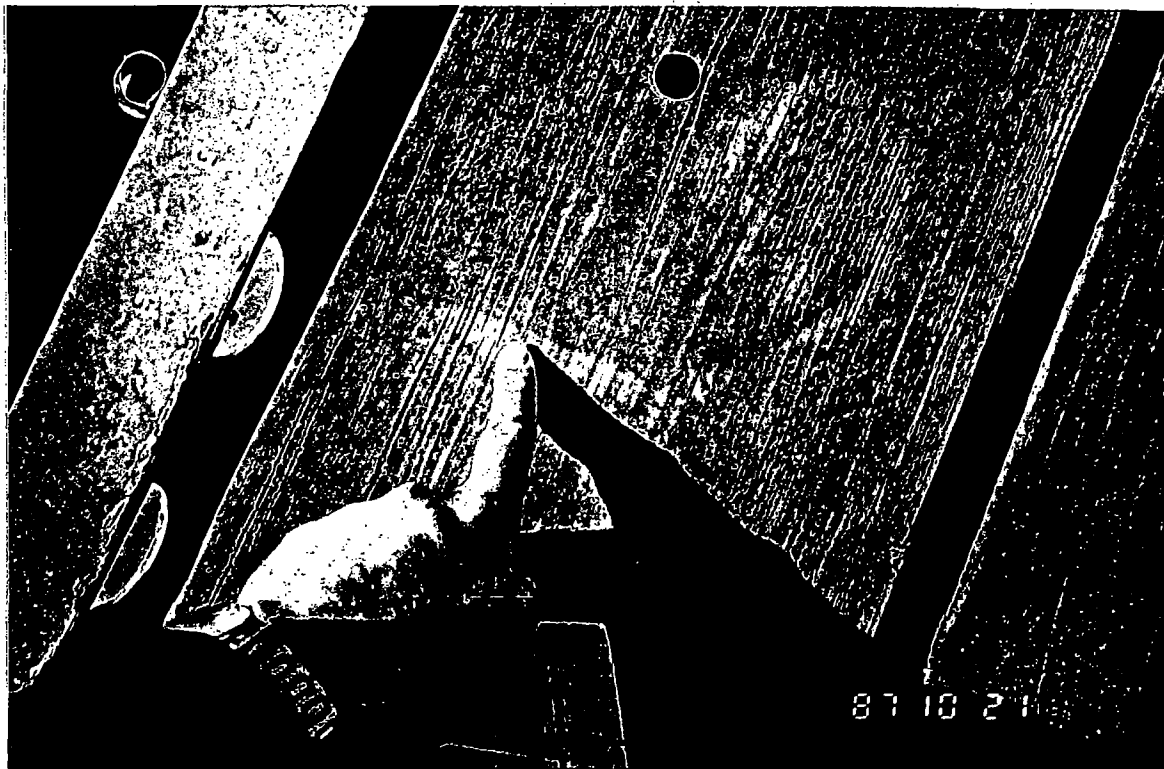


PHOTO No 4

DATE: OCT. 21, 1987

TIME: 12:00

TAKEN BY:  
RICHARD KOCH

WITNESS:

FILM: KODAK CM 400

CAMERA:

CANON SURE SHOT

LOCATION:  
DUWAMISH SHIPYARD  
MARINE RAILWAY

DESCRIPTION: Spent  
Sand blasting  
grits on dock east of marine railway

